ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of Invention	SYSTEMS AND METHODS FOR CAPTURING HANDWRITTEN INFORMATION USING HANDWRITING ANALYSIS

Application Number : 10/734738

Confirmation Number: 9583

First Named Applicant: Gilles Houle

Attorney Docket Number: 5053-00509

Art Unit: 2624

Examiner: ~~Unknown Unknown~~ S Chawan

Search string: (5454046 or 5680470 or 5710916 or 5828772 or 5909500 or 5995953 or 6084985 or 6108444 or 6157731 or 6249604).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

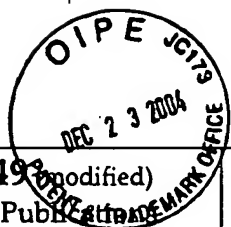| init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
/SCC/	1	5454046	1995-09-26	Carman, II			
	2	5680470	1997-10-21	Moussa et al.			
	3	5710916	1998-01-20	Barbara et al.			
	4	5828772	1998-10-27	Kashi et al.			
	5	5909500	1999-06-01	Moore			
	6	5995953	1999-11-30	Rindtorff et al.			
	7	6084985	2000-07-04	Dolfing et al.			
	8	6108444	2000-08-22	Syeda-Mahmood			
	9	6157731	2000-12-05	Hu et al.			
	10	6249604	2001-06-19	Huttenlocher et al.			

Remarks

Note: Remarks are not for responding to an office action.

Should any fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert and Goetzel, P.C. Deposit Account No. 50-1505/5053-00509/EBM.

Signature

Examiner Name	Date
/Sheela Chawan/	06/11/2007

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5053-00509 APPLICANT: Houle et al. FILING DATE: December 12, 2003	SERIAL NO. 10/734,738 CONF. NO.: 9583 ART UNIT: 2621

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
/SCC/	A1	GB 2 271 657	04/20/1994	UK			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)
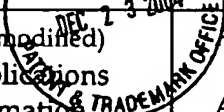
/SCC/	A2	Dikstra et al., "IRIS An Image Recognition and Interpretation System for the Dutch Postbank", Sep. 3, 2000, pp. 23-26, Pattern Recognition, 2000 Proceedings.
	A3	Knerr et al., "Hidden Markov Model Based Word Recognition and Its Application to Legal Amount Reading on French Checks", June 1998, pp. 404-419, Computer Vision and Image Understanding, vol. 70, No. 3.
	A4	Suen et al., "Automatic Recognition of Handwritten Data on Cheques-Fact or Fiction?", Nov. 1999, pp. 1287-1295, Pattern Recognition Letters, North-Holland Publ., Amsterdam, NL, vol. 20, no. 11-13.
	A5	Srihari et al., "Document Image-Processing System For Name and Address Recognition", Dec. 21, 1996, pp. 379-391, International Journal of Imaging Systems and Technology, Wiley and Sons, New York, vol 7, no. 4.
	A6	Kaufmann et al., "Amount Translation and Error Localization in Check Processing Using Syntax-Directed Translation," 1998, pp. 1530-1534, Proc. Int. Conf. on Pattern Recognition, Brisbane, Australia.
	A7	International Search Report for European Application No. 03005807.7 mailed May 20
	A8	Office Communication for European Application No. 03005807.7 mailed March 9

EXAMINER: /Sheela Chawan/   DATE CONSIDERED: 06/11/2007

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Information Disclosure Statement--PTO 1449 (modified)

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5053-00509 APPLICANT: Houle et al. FILING DATE: December 12, 2003	SERIAL NO. 10/734,738 CONF. NO.: 9583 ART UNIT: 2621

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
/SCC/	A9	10/714,523 (specification and figures same as above referenced application)	11/14/2003	Houle et al.			
	A10	10/735,280 (specification and figures same as above referenced application)	12/12/2003	Houle et al.			
	A12	10/741,156 (specification and figures same as above referenced application)	12/19/2003	Houle et al.			
	A13	10/741,157 (specification and figures same as above referenced application)	12/19/2003	Houle et al.			

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Information Disclosure Statement--PTO 1449 (modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
Application Number		10734738
Filing Date		2003-12-12
First Named Inventor	Houle, et al.	
Art Unit	2621 2624	
Examiner Name	Unknown S. Chavan	
Attorney Docket Number		5053-00509

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Examiner Initial*	Cite No	Patent Number	Kind Code1	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/SCC/	1	6836555		2004-12-28	Ericson et al.	
	2	6424728		2002-07-23	Ammar	
	3	4646351		1987-02-24	Asbo et al.	
	4	6236740		2001-05-22	Lee	
	5	6393138		2002-05-21	Chai	
	6	5757960		1998-05-26	Murdock et al.	
	7	3806704		1974-04-23	Shinal	

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Attorney Docket Number	5053-00509

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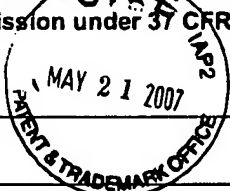
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	10734738		
	Filing Date	2003-12-12		
	First Named Inventor	Houle, et al.		
	Art Unit	~~2621~~ 2624		
	Examiner Name	Unknown	S. Chawan	
	Attorney Docket Number	5053-00509		

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
/SCC/	1	R1. Arazi, B.: 1977, Handwriting identification by means of run-length measurements, IEEE Trans. Syst., Man and Cybernetics SMC-7 (12), 878-881.	☐
	2	R2. Arazi, B.: 1983, Automatic handwriting identification based on the external properties of the samples, IEEE Trans. Syst., Man and Cybernetics SMC-13 (4), 635-642.	☐
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		Application Number	10734738
		Filing Date	2003-12-12
		First Named Inventor	Houle, et al.
		Art Unit	2620
		Examiner Name	Unknown S. Chowa
		Attorney Docket Number	5053-00509

/SCC/	10	R10. Sabourin, R. and Drouhard, J.: 1992, Off-line signature verification using directional pdf and neural networks, Proc. of the 11th International Conference on Pattern Recognition (ICPR 1992), The Hague, Netherlands, pp. 321-325.	☐
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	Filing Date	2003-12-12	
	First Named Inventor	Houle, et al.	
	Art Unit	262☑	
	Examiner Name	Unknown S. Chau	
	Attorney Docket Number	5053-00509	

/SCC/	21	R21. Dolfing, J.G.A., Aarts, E.H.L. and Van Oosterhout, J.J.G.M., "On-Line Verification Signature with Hidden Markov Models," Proc. 14th International Conference Pattern Recognition, pp. 1,309-1,312, Brisbane, Australia, Aug. 1998.	☐
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First Named Inventor	Houle, et al.
Art Unit	2624
Examiner Name	~~Unknown~~ S. Chawan
Attorney Docket Number	5053-00509

/SCC/	32	R32. Olivier, C., Paquet, T., Avila, M. and Lecourtier, Y., "Optimal Order of Markov Models Applied to Bankchecks," International Journal Pattern Recognition and Artificial Intelligence, vol. 11, no. 5, pp. 789-800, 1997.	☐
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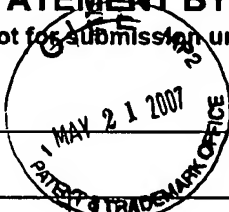
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| Examiner Signature | /Sheela Chawan/ | Date Considered | 06/11/2007 |

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	Art Unit	2621	
	Examiner Name	~~Unknown~~ SChawan	
	Attorney Docket Number	5053-00509	

/SCC/	1	R51. Said, H., Peake, G., Tan, T. and Baker, K.: 1998, Writer identification from non-uniformly skewed handwriting images, Proc. of the 9th British Machine Vision Conference, pp. 478-487.	☐
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